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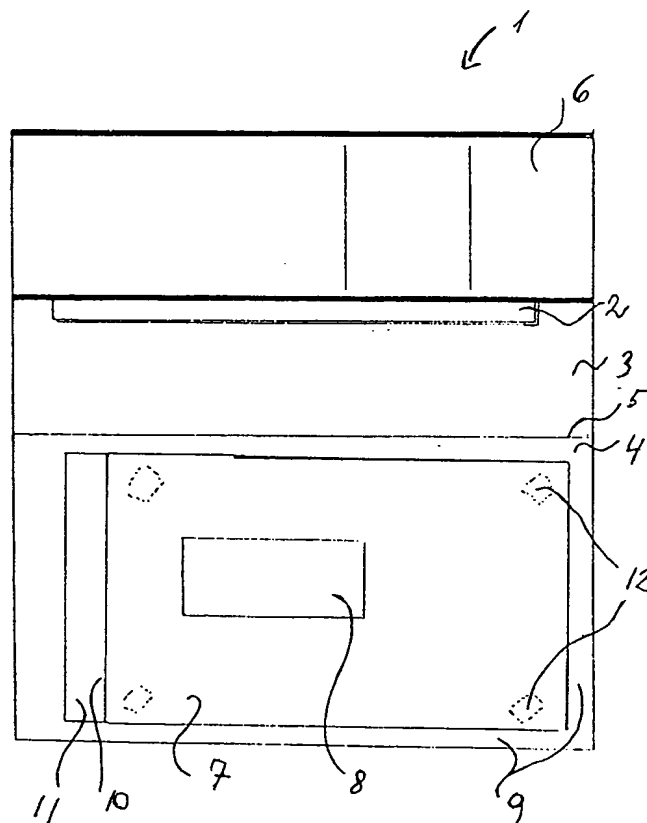
## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b> <b>B65D 27/08, B42D 15/04, B42F 7/06</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 00/09408</b> <b>(43) International Publication Date:</b> 24 February 2000 (24.02.00)
<b>(21) International Application Number:</b> PCT/DK99/00412 <b>(22) International Filing Date:</b> 19 July 1999 (19.07.99) <b>(30) Priority Data:</b> PA 1998 01019 11 August 1998 (11.08.98) DK <b>(71) Applicant (for all designated States except US):</b> ICEA A/S [DK/DK]; Hjulmagervej 11, P.O. Box 4, DK-9490 Pandrup (DK). <b>(72) Inventor; and</b> <b>(75) Inventor/Applicant (for US only):</b> KRISTIANSEN, Gorm [DK/DK]; Kystvejen 25, Hunetorp, DK-9490 Pandrup (DK). <b>(74) Agent:</b> LARSEN & BIRKEHOLM A/S SKANDINAVISK PATENTBUREAU; Skandinavisk Patentbureau, Banegårdspladsen 1, P.O. Box 362, DK-1570 Copenhagen V (DK).		<b>(81) Designated States:</b> AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> <i>In English translation (filed in Danish).</i>

**(54) Title:** WRAPPER FOR THE KEEPING OF DEVELOPED FILM STRIPS, PICTURES AND THE LIKE

**(57) Abstract**

Wrapper (1) for the keeping of developed film strips, pictures and the like, comprising at least one front cover sheet (3) and back cover sheet (4) joined along a longitudinal fold line (5), where on the inner side of one of said cover sheets there is affixed at least one pocket (6) for the keeping of the film strips and/or the pictures. The wrapper (1) further comprises mailing means, said mailing means comprising at least one replaceable envelope (7) with means (12) connected in a removable manner to the inner side of the one sheet, the one side of said envelope (7) having an area for the application of data (8) for the identification of the owner of the film/negatives. The wrapper which is achieved hereby makes it possible for the customer to effect a subsequent re-ordering in an easy and convenient manner, in that the bag for the subsequent order is provided as an integrated part of the wrapper for the keeping of the pictures. Moreover, such a wrapper results in better and quicker production at the photo laboratory, in that a cutter, in which these wrappers are used, can produce more rationally due to the flatter structure, and in that they are not packed in bundles, which today must be turned manually.



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WRAPPER FOR THE KEEPING OF DEVELOPED FILM STRIPS, PICTURES AND THE LIKE

5 The invention concerns a wrapper for the keeping of developed film strips, pictures and the like, comprising at least one front cover sheet and back cover sheet joined along a longitudinal fold line, where on the inner side of one of said cover sheets there is affixed at least one pocket for the keeping of the film strips and/or the pictures.

10 A wrapper for the keeping and ordering of developed photographic film strips is known from Danish publication no. 146044, this comprising a number of folded-together sheets, and which is applicable exclusively for the forwarding of negatives, but e.g. not for re-ordering of given pictures which are enclosed nor for any form of order submission. Moreover, the wrapper  
15 in itself cannot be used for sending items by mail, but is thus solely a packaging which can be used for the handling of film strips with the view to forwarding and storing. Consequently, the wrapper in itself does not provide the possibility of forwarding by mail.

20 A packaging system for the mailing of catalogues and the like is known from European Patent publication no. 128738, and which comprises a reply envelope for the receiver, this reply envelope being connected with the remainder of the mailing system in such a way that paper material must be ripped off in order to loosen the envelope. The packaging system can thus  
25 not be re-used, in that only the accompanying envelope can be used, and in that an irreversible destruction of the material takes place in the loosening of the envelope. Moreover, the system cannot be used for the keeping and mailing of film, negatives, developed pictures and similar photographic items.

30

Finally, from the photographic sector packaging systems are known for the keeping of film strips and developed pictures which consist of a folder with one or more pockets for the keeping of said items. The packaging does thus not comprise means which make it possible for the customer to submit  
5 orders to the receiver. Thus the packaging is applicable exclusively for the keeping of film.

It is the object of the present invention to provide a wrapper which does not suffer the disadvantages of the known kinds of packaging, and which thus  
10 enables the customer to submit a subsequent order in a simple and convenient manner, in that the bag for subsequent ordering exists as an integral part or the unit for keeping the pictures. Moreover, such a packaging provides the possibility of better and quicker production at the photo laboratory, in that a cutter in which these packages are used can produce more  
15 rationally due to the flatter structure of which the packaging system as disclosed consists, and which moreover are not packed in bundles, which today must be turned manually.

This object is achieved with a wrapper of the kind disclosed in the introduction, and where the wrapper further comprises mailing means; said mailing  
20 means comprising at least one replaceable envelope with means connected in a removable manner to the inner side of the one sheet, the one side of said envelope having an area for the application of data for the identification of the owner of the film/negatives.

25 When the customers want their photographs developed, the film is delivered to the photo dealer who sends the film in to the photo laboratory. With photo mail orders, the envelope can be used for sending the films (several films can be enclosed) directly to the photo laboratory where the necessary  
30 processing of the films is carried out, after which the developed pictures with negatives are automatically laid down in the packaging. The introduc-

operation of these packaging systems in the automatic packing machine (the cutter) is more rational than earlier, in that due to the configuration and flat structure of the pockets there is room for more in the cutter, and in that it is not necessary to undertake an alternate turning of the packages, such as is known from the known systems in order not to get the thickened areas lying opposite each other and thus occupy too much room. The photo laboratory thus places the film and pictures in a packaging system according to the invention, and where the name and address of the customer is applied on the envelope with ink-jet. The system is returned to the photo dealer from where it is delivered to the customer.

In one and the same packaging, the customer has now collected not only the developed pictures and the film strip, but also the re-ordering envelope on which also the name and address of the customer has been applied, and where also the name and the address of the photo laboratory will be found. When re-ordering, the customer can thus easily and conveniently place the negatives or newly exposed film down in the envelope and mail it directly to the photo laboratory. The photo laboratory then effects the same procedure as that described above, in that it can be expedient to return everything in a new packaging system as disclosed in accordance with the invention.

Expedient example embodiments of the invention are further disclosed in the dependent claims 2-6.

The invention will now be explained in further detail with reference to the drawing.

The drawing shows the packaging wrapper 1 in its unfolded state, and where it is viewed in the direction towards its inner side. The wrapper comprises a front sheet 3 and a back sheet 4 which are connected to each

other via a fold line 5, where the front and back sheets are of substantially the same extent and dimension. On the one sheet 3 there is formed a pocket 6 for the keeping of film strips 2. The wrapper can comprise several pockets depending on requirements. On the opposite sheet there is affixed an envelope 7 which can be formed in different ways, and where this has an opening 10 which can be sealed, and where in the drawing there is shown a flap 11 for the sealing of the envelope 7 when this has been removed.

- 10 The envelope 7 is affixed to the sheet material by means of an adhesive 12, e.g. in the form of glue on the back of the envelope 7, and here it is important that this glue is of the "slip type", so that the paper material does not suffer damage. On the front and/or the back of the envelope 7 there are areas in which data 8 can be applied, in that this data can be data concerning the photo dealer, the customer or the photo laboratory. By data is
- 15 meant identification of name and address.

- When the wrapper 1 is folded together around the fold line 5, it has the additional advantage that it takes up very little space, in that the envelope and the pockets used result in a relatively flat structure. The envelope is of such a size that there is an edge area 9 on the sheet to which it is affixed which is not covered by the envelope. More than one kind of envelope can be affixed, all depending on requirements and on the type of item, e.g. film rolls, it is desired to send by mail with the relevant packaging.
- 20

- 25 The product is packed automatically in forwarding cartons which are used as the feeder direct to the cutting machine, and the product is pushed with a plate directly into a cutter. This is made possible by the product with bag and the flap being of equal thickness, and therefore lying uniformly in the cartons and not typically in bundles of 25-50, which today must be turned manually in order to occupy less space. In this way a retrenchment in the
- 30



the process is also obtained, since there will be a saving of one person for every second cutter. From the cutter, a label bearing the customer's name and address and code can be applied, and therefore the customer will always have an addressed bag together with pictures and negatives. Moreover, the cutter can apply a label to the bag with individual shop logo – name and address – whereby the same advantages as those described above are achieved.

The cutter can close the picture wrapper with glue spots in the corners or by firm sealing at the corners by perforation. The customer can hereby be provided with a guarantee against indiscretions on the part of the photo dealer personnel.

15: A cutter can also be provided with a device for applying a label to the bag with the individual shop logo – name and address – whereby the same advantages as those described above are achieved.

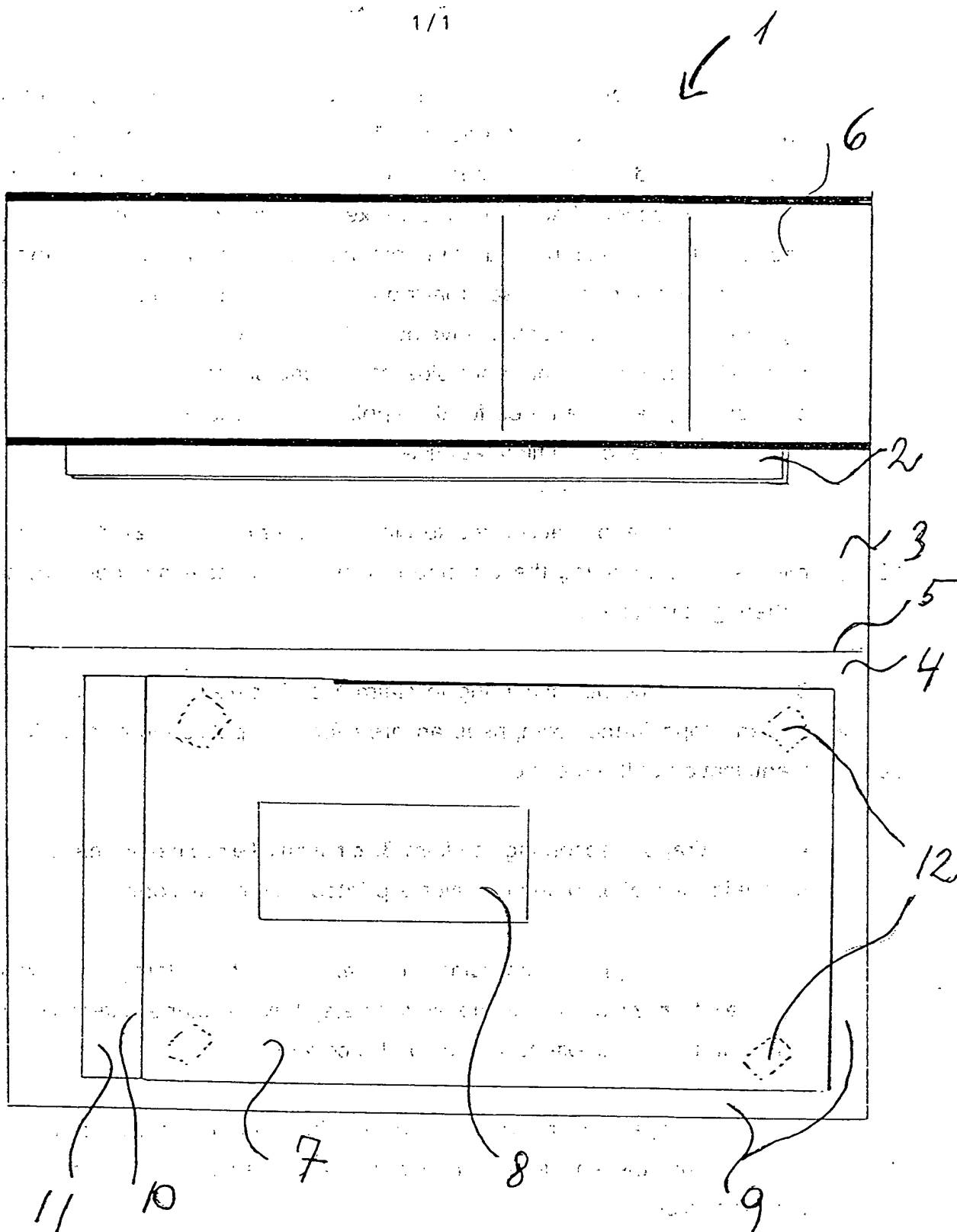
The device for applying a label to the bag with the individual shop logo – name and address – can be provided with a device for applying a label to the bag with the individual shop logo – name and address – whereby the same advantages as those described above are achieved. The device for applying a label to the bag with the individual shop logo – name and address – can be provided with a device for applying a label to the bag with the individual shop logo – name and address – whereby the same advantages as those described above are achieved.

The device for applying a label to the bag with the individual shop logo – name and address – can be provided with a device for applying a label to the bag with the individual shop logo – name and address – whereby the same advantages as those described above are achieved. The device for applying a label to the bag with the individual shop logo – name and address – can be provided with a device for applying a label to the bag with the individual shop logo – name and address – whereby the same advantages as those described above are achieved.

## CLAIMS

1. Wrapper (1) for the keeping of developed film strips, pictures and the like, comprising at least one front cover sheet (3) and back cover sheet (4) joined along a longitudinal fold line (5), where on the inner side of one of said cover sheets there is affixed at least one pocket (6) for the keeping of the film strips and/or the pictures, **characterized** in that the wrapper (1) further comprises mailing means, said mailing means comprising at least one replaceable envelope (7) with means (12) connected in a removable manner to the inner side of the one sheet, the one side of said envelope (7) having an area for the application of data (8) for the identification of the owner of the film/negatives.
2. Wrapper according to claim 1, **characterized** in that the means for connecting the envelope(s) in a removable manner consist of adhering "slip type" glue.
3. Wrapper according to claim 1 or 2, **characterized** in that the envelope further comprises an area for the application of data for the identification of the receiver.
4. Wrapper according to claim 3, **characterized** in that the data for the identification of the receiver is printed on the envelope.
5. Wrapper according to any of the foregoing claims, **characterized** in that the envelope(s) have a plane extent which is less than the plane extent of each of the cover sheets.
6. Wrapper according to any of the foregoing claims, **characterized** in that the envelope is configured as a bag with an opening which can be sealed.

1/1



# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/DK 99/00412

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B65D 27/08, B42D 15/04, B42F 7/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B65D, B42D, B42F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, WPI

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 92 09 901 U1 (MACHINENFABRIK HONSEL GMBH), 7 April 1994 (07.04.94), page 7, line 17 - page 12, line 16, figure 3	1-6
X	US 4948034 A (CHARLES A. ROHLOFF), 14 August 1990 (14.08.90), column 1, line 42 - line 62, figures 4, 5	1-6
A	DK 146044 B (GORM KRISTIANSEN), 13 June 1983 (13.06.83), figures 1,2, abstract	1-6
P,A	US 5918802 A (GLENN PETKOVSEK), 6 July 1999 (06.07.99), figures 5,6,8, abstract	1-6



Further documents are listed in the continuation of Box C.



See patent family annex.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4047661 A (BERNARD KLEIN), 13 Sept 1977 (13.09.77), figures 1,2, abstract	1-6
A	DE 4203648 A1 (CEWE COLOR AG & CO), 25 March 1993 (25.03.93), figures 1-8, abstract	1-6
A	DE 19529657 A1 (PAUL KEISER DRUCKEREI GMBH & CO.), 13 February 1997 (13.02.97), figure 1, abstract	1-6

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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